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## **CLAIMS**

1. A semiconductor element test apparatus comprising;

a stage on which a semiconductor wafer having semiconductor elements is to be mounted;

a probe card having a plurality of probe needles opposing the semiconductor wafer; and

a probe card hold member for holding the probe card; and

the semiconductor elements are tested by bringing the plurality of probe needles into contact with the semiconductor elements of the semiconductor wafer, wherein

the probe card has a probe card substrate for supporting the plurality of probe needles and a reinforcement member for reinforcing the probe card substrate, and the reinforcement member has counterbores of substantially the same depth and shape in a plurality of mount positions; and

the probe card substrate is attached to the probe card hold member through the reinforcement member at the counterbores by screws.

- The semiconductor element test apparatus according to claim
   wherein screws having the same length are used in the respective mount positions.
- 3. The semiconductor element test apparatus according to claim
  1, wherein screws of the same type are used in the respective mount
  25 positions.
  - The semiconductor element test apparatus according to claim
     wherein round-head screws having bulging screw heads are used as the screws.

The semiconductor element test apparatus according to claim
 wherein screws formed from a magnetic substance are used as the screws.

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6. The semiconductor element test apparatus according to claim 1, wherein the reinforcement member is attached to the probe card hold member by means of a screw at each of mount positions at respective end sections of a plurality of reinforcement arms, and, in each of the reinforcement arms, a counterbore narrower than the width of the end section of the reinforcement arm is formed in substantially the center of the reinforcement arm with respect to a widthwise direction thereof, as well as in the end section of the reinforcement arm.

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7. The semiconductor element test apparatus according to claim 1, wherein the reinforcement member has a peripheral section having the plurality of mount positions, and a center section formed so as to have a thickness greater than that of the peripheral section.

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8. The semiconductor element test apparatus according to claim 1, wherein the reinforcement member comprises a peripheral section having a plurality of reinforcement arms, each reinforcement arm having the mount position, and a frame-shaped center section, and a reinforcement piece for two interconnecting mutually-opposing sides of the frame-shaped center section is provided in the center section.

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9. The semiconductor element test apparatus according to claim 1, wherein the reinforcement member has a peripheral section having the plurality of mount positions and a center section located at the center of the peripheral section, and the reinforcement member and the probe card substrate are fastened to each other in the center section.

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10. A method of testing a semiconductor element through use of a semiconductor element test apparatus which brings a plurality of probe needles provided on a probe card into contact with semiconductor elements of a semiconductor wafer, wherein

the probe card has a probe card substrate for supporting the plurality of probe needles, and a reinforcement member to be used with the probe card substrate;

the semiconductor element test apparatus has a probe card hold member having the probe card attached thereto;

the reinforcement member is attached to the probe card substrate and to the probe card hold member at a plurality of mount positions, by means of screws;

counterbores of substantially the same depth and shape are formed in the respective mount positions on the reinforcement member; and the probe card substrate is attached to the probe card hold member

by means of the screws and by way of the counterbores.

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